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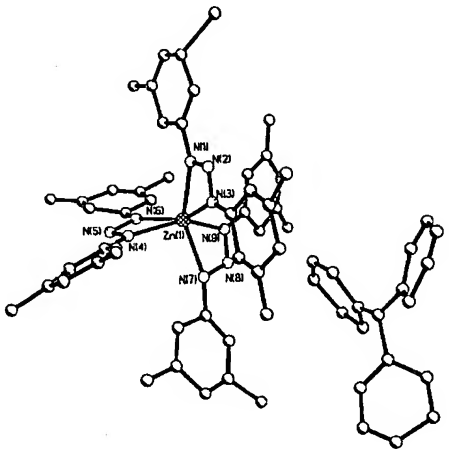
(54) Title: CATALYST COMPOSITION FOR OLEFIN POLYMERIZATION



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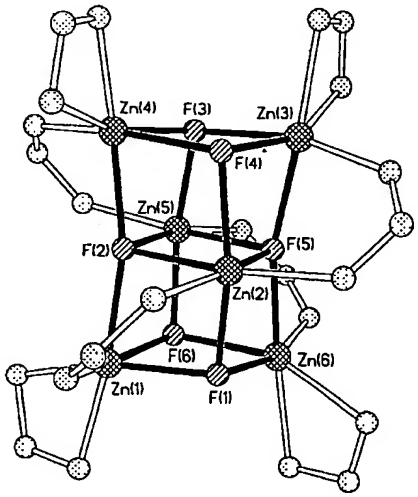

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(57) Abstract: The invention relates to a catalyst composition comprising a salt of a non- or weakly coordinating anion, said non- or weakly coordinating anion comprising at least one metal or metalloid ion M with valency v+, v representing an integer between 1 and 5, and at least one bidentate ligand coordinating to this metal or metalloid ion, and a catalyst that can be activated by said non- or weakly coordinating anion, characterized in that said bidentate ligand is a bidentate monoanionic ligand of formula (I): $(R^1_qA^1\text{-}X\text{-}A^2R^2_r)$, wherein X represents a bridging moiety; A^1 and A^2 are each independently chosen from the group comprising N, O, P, S, and C; R^1 and R^2 are each independently chosen from the group comprising an optionally substituted linear or branched (hetero)alkyl group, an optionally substituted (hetero)aryl group, and a Si containing group; and q and r each independently represent an integer with $0 \leq q,r \leq 2$.

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